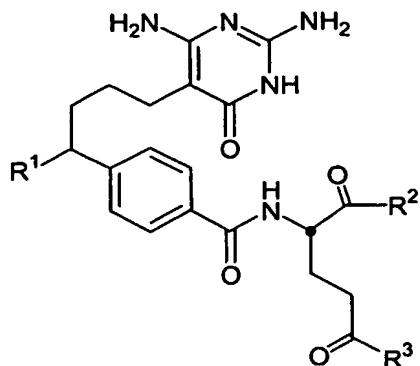


What is claimed is:

1. A compound represented by the following structure:



R<sup>1</sup> is a radical selected from the group consisting of -C(O)H, -CH<sub>2</sub>OH, -

CH=NNMe<sub>2</sub>,

-C(O)CF<sub>3</sub>, and -CH(OH)CF<sub>3</sub>;

R<sup>2</sup> is a radical selected from the group consisting of -OH, -OtBu, glutamyl, and  
15      oligoglutamyl;

R<sup>3</sup> is a radical selected from the group consisting of -OH, -OtBu, glutamyl, and  
oligoglutamyl;

each glutamyl being independently represented by the formula:

-NHCH(C(O)R<sup>4</sup>)(CH<sub>2</sub>)<sub>2</sub>C(O)R<sup>5</sup> wherein R<sup>4</sup> and R<sup>5</sup> are each radicals

20      independently selected from the group consisting of -OH and -OtBu;  
each oligoglutamyl having at least one terminal glutamyl and between  
one and four non-terminal glutamyl residues;

each terminal glutamyl being independently represented by the formula

-NHCH(C(O)R<sup>4</sup>)(CH<sub>2</sub>)<sub>2</sub>C(O)R<sup>5</sup> wherein R<sup>4</sup> and R<sup>5</sup> are each radicals

25      independently selected from the group consisting of -OH and -OtBu;

each non-terminal glutamyl being independently represented by the  
formula

-NHCH(C(O)R<sup>6</sup>)(CH<sub>2</sub>)<sub>2</sub>C(O)R<sup>7</sup> wherein R<sup>6</sup> and R<sup>7</sup> are each radicals

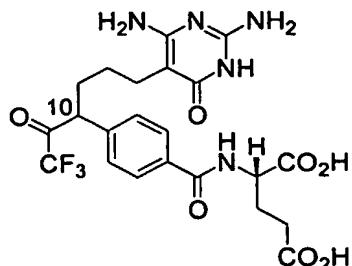
30      independently selected from the group consisting of -OH, -OtBu,  
terminal glutamyl, and non-terminal glutamyl;

with a proviso that at least one of R<sup>6</sup> and R<sup>7</sup> is either terminal glutamyl  
or non-terminal glutamyl.

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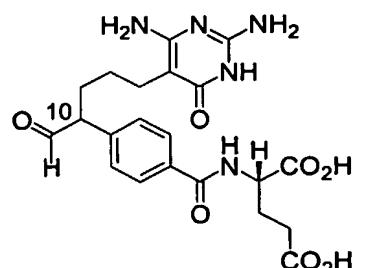
2. A compound according to claim 1 represented by the following structure:

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3. A compound according to claim 1 represented by the following structure:

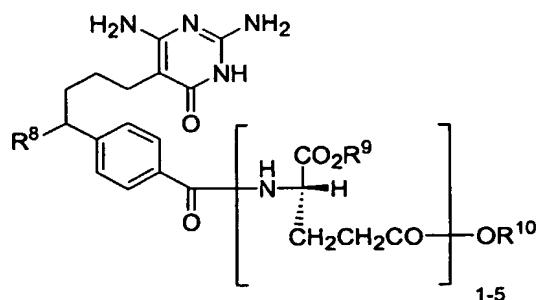
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4. A compound according to claim 1 represented by the following structure:

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wherein

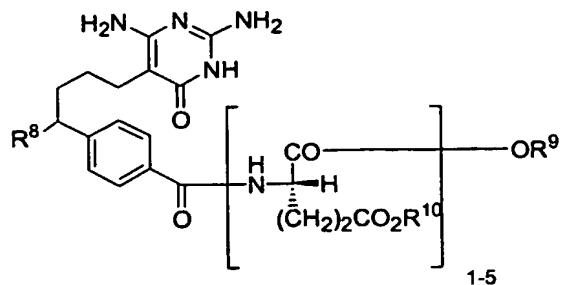
R<sup>8</sup> is a radical selected from the group consisting of -C(O)H and -C(O)CF<sub>3</sub>; and

**R<sup>9</sup>** and **R<sup>10</sup>** are each a radical independently selected from the group consisting of -H and -tBu.

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5. A compound according to claim 1 represented by the following structure:



wherein

10 R<sup>8</sup> is a radical selected from the group consisting of -C(O)H and -C(O)CF<sub>3</sub>; and

R<sup>9</sup> and R<sup>10</sup> are each a radical independently selected from the group consisting of -H and -tBu.

15 6. A process for inhibiting glycinamide ribonucleotide transformylase comprising the step of contacting the glycinamide ribonucleotide transformylase with an inhibiting concentration of a compound described in claims 1-5.

20 7. A process for inhibiting aminoimidazole carboxamide ribonucleotide transformylase comprising the step of contacting the aminoimidazole carboxamide ribonucleotide transformylase with an inhibiting concentration of a compound described in claims 1-5.